

New Species of Lepidoptera

in the

Collection of the Auckland Museum.

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The material on which the following article is based was derived almost entirely from the Chas. E. Clarke collection, recently presented to the Museum. It is fitting, therefore, that a very sincere note of appreciation of Mr. Clarke's generous action should be here inserted. The present contribution in no way exhausts the novelties in the collection, and more new species will undoubtedly be brought to light as the result of further study.

NOCTUIDAE.

Melanchra dives n. sp.

♂ ♀. 42-47 mm. Head, thorax and palpi dark reddish brown, darker in ♀; a small blunt anterior thoracic crest. Antennae reddish brown, rather strongly bipectinated in ♂. Abdomen greyish brown, lateral and apical tufts ferruginous. Legs reddish brown, tibiae obscurely annulated with ochreous. Forewings moderate, costa almost straight, apex obtuse, termen bowed, oblique; dark purplish brown, darker in ♀; a short black streak from middle of base, absent (?) in ♀ and not always present in ♂; traces of a double pale-centred basal line; first line obscure, thin, irregularly curved, blackish; orbicular moderately large, oblique, broadly oval, margined with ochreous and again obscurely with blackish; claviform normal shape, margined as orbicular; reniform moderately broad, partly filled with ochreous in ♂, margined as orbicular; second line very obscure, waved, pale with dark margin, incurved beneath reniform; subterminal thin, waved, ochreous, suffusedly black-margined before and behind, two blunt teeth below middle; a few minute ochreous spots on apical third of costa: fringes concolorous with wing. Hindwings greyish brown: fringes whitish tipped.

Related to *M. insignis* Walk., but a larger and generally darker species. The female seems to be fairly stable in colour and markings, but the male varies a good deal. One example has the forewings bright ferruginous, while in another they are suffused with fawn.

Flagstaff Hill and Waitati, Dunedin, in October. A good series of both sexes taken by Mr. C. E. Clarke. Holotype (♂), allotype (♀) and paratypes in coll. Auckland Museum.

SELIDOSEMIDAE

Selidosema insignita n. sp.

♂. 32 mm. Head and palpi brown. Thorax greyish brown. Antennae brown, in ♂ moderately bipectinated, pectinations gradually decreasing in length apically, last twelve or thirteen segments simple. Abdomen greyish ochreous, sprinkled with fuscous. Legs ochreous, mixed with fuscous, anterior pair blackish, all tarsi annulated with ochreous. Forewings elongate triangular, costa moderately arched, apex blunt, termen bowed, oblique; whitish ochreous; basal $3/5$ fuscous brown; first line indicated by ochreous outwards-curved fascia on costa at $1/4$; outer edge of median band (margin of dark area) broadly and strongly projecting at middle, margined with white; a broad brownish terminal area including obscure white waved subterminal line: fringes (damaged) apparently brown mixed with ochreous. Hindwings pale ochreous sparsely sprinkled with brown; an interrupted brown line round termen: fringes ochreous.

The shape of the outer margin of the median band differs from all other New Zealand members of the genus.

Kaeo, in January. A single male taken by Mr. C. E. Clarke. Holotype in coll. Auckland Museum.

Selidosema pergrata n. sp.

♂. 32 mm. Head ochreous brown. Palpi brown. Antennae brown, in ♂ moderately bipectinated, pectinations abruptly shortened towards apex, last ten segments simple. Thorax and abdomen brownish ochreous. Legs ochreous, anterior pair fuscous; tibiae and tarsi annulated with ochreous. Forewings elongate triangular, costa hardly arched, apex obtuse, termen little bowed, oblique; brownish ochreous, densely strigulated with fuscous; first line straight, thin, whitish, from $1/4$ costa to $1/3$ dorsum; second line thin, whitish, from $2/3$ costa to $3/5$ dorsum, slightly indented on upper half and deeply incurved on lower $1/3$; these two lines margin the median band, which is olive brown densely strigulated with ochreous; subterminal line whitish, waved, interrupted, anteriorly suffusedly margined with olive brown; a suffused olive brown patch beneath apex: fringes ochreous with medium dark line. Hindwings ochreous, strigulated with fuscous, especially towards termen: fringes ochreous mixed with fuscous.

This species belongs to the *productata* group. It is probably related to the preceding form, but the difference in antennal structure at once separates it.

Sandymount, Otago, in February. A single ♂ taken by Mr. C. E. Clarke. Holotype in coll. Auckland Museum.

CRAMBIDAE

Tauroscopa nebulosa n. sp.

♂ ♀. 24-25 mm. Head and palpi tawny black, in ♀ head ochreous and palpi ochreous internally. Antennae sooty black. Thorax tawny black; in ♀ sprinkled with whitish. Abdomen black, laterally and apically mixed with whitish ochreous. Legs black, more or less mixed with ochreous. Forewings oblong, costa slightly arched basally; apex subrectangular, termen rounded, hardly oblique; brownish black; densely but irregularly strewn with white: slightly ochreous-tinted towards apical half of costa; first line represented by clear black marks on costa and middle of wing; fringes greyish fuscous with dark basal line. Hindwings greyish fuscous, paler towards base: fringes whitish grey with prominent fuscous basal line.

Perhaps nearest *T. gorgopis* Meyr., but narrower-winged and differing in the presence of the white irroration and obsolescence of the usual lines.

Minaret Peak, lake Wanaka, in December. Two males and a female taken by Mr. C. E. Clarke. Holotype (♂), allotype (♀) and a male paratype in coll. Auckland Museum.

Orocrambus clarkei n. sp.

♂. 20 mm. Head, antennae and palpi brownish black, crown and upper surface of palpi more or less ochreous. Thorax tawny. Abdomen brownish black, anal tuft greyish. Legs brownish black, somewhat mixed with ochreous. Forewings suboblong; costa slightly arched, apex triangular, termen bowed, hardly oblique; brownish black, densely but irregularly strewn with white scales: fringes greyish fuscous, with darker basal line. Hindwings white; a broad suffused irregular band of fuscous round termen and dorsum: fringes greyish fuscous tipped with white and with a dark basal line.

Nearest to *O. melampetrus* Meyr., but a smaller and paler species.

Mt. Moltke, Franz Josef, 4,000 to 5,000 feet, in January. Two males taken by Mr. C. E. Clarke. Holotype (♂) and a male paratype in coll. Auckland Museum.

PYRAUSTIDAE

Scoparia famularis n. sp.

♀. 21 mm. Head yellow, mixed with fuscous and whitish. Palpi fuscous, whitish above and beneath. Maxillary palpi ochreous. Antennae fuscous black. Thorax fuscous mixed with ochreous and whitish. Legs fuscous mixed with whitish, tarsi annulated with whitish. Forewings moderate, costa subsinuate, apex rectangular, termen straight, slightly oblique; fuscous densely irrorated with yellow and with some white scales; a small roundish white patch on dorsum near base; first line slightly curved, outwardly oblique, broad, white; orbicular dark, obscure, followed by whitish patch; claviform large, dark, oval,

preceded and followed by some whitish suffusion; reniform indicated by obscure dark patch, followed by whitish area; second line strong, white, subsinuate on upper third, thence incurved to dorsum; a white suffused subterminal line, indented at middle, not touching second line: fringes whitish ochreous with fuscous basal line. Hindwings greyish ochreous; broadly fuscous-tinged round termen; fringes ochreous with an obscure thin fuscous fuscous basal line.

Near *S. nomeutis* Meyr., but with prominent broad lines; the second line is also quite different in shape in *famularis*.

Kepler Mountains, Lake Te Anau. A single female taken in January at an elevation of 3,000 feet by Mr. Clarke. Holotype (♀) in collection Auckland Museum.

TORTRICIDAE

Pyrgotis modesta n. sp.

♂. 13 mm. Head and palpi brown. Antennae fuscous brown, ciliations in ♂ 2. Thorax and abdomen bronzy brown. Legs ochreous irrorated with fuscous, anterior pair wholly fuscous. Forewings elongate, costa strongly arched, apex rounded, termen nearly straight, oblique, rounded beneath; bronzy brown; slightly reddish tinged in disc; an indistinct dark fuscous shade round termen: fringes greyish fuscous with fuscous basal line. Hindwings fuscous: fringes greyish fuscous with dark basal line.

Nearest *P. consentiens* Philp., but a duller species with longer antennal pectinations.

Waiho Gorge, Westland, in January. A single male taken by Mr. C. E. Clarke. Holotype (♂) in coll. Auckland Museum.

P. humilis n. sp.

♂. 12 mm. Head and thorax brown mixed with ochreous. Palpi ochreous. Antennae ochreous annulated with black, ciliations in ♂ 1½. Abdomen bronzy fuscous. Legs fuscous mixed with ochreous. Forewings elongate, costa strongly arched, apex rounded, termen subsinuate, oblique; bright ochreous; suffusedly purplish fuscous towards termen: fringes ochreous mixed with fuscous. Hindwings fuscous: fringes fuscous tipped with ochreous and with a darker basal line.

Nearest to the preceding, but easily separated by the antennal characters.

Mount Maungatua, Otago, in December. A single male taken by Mr. C. E. Clarke. Holotype (♂) in coll. Auckland Museum.

Capua variegata n. sp.

♂. 14-15 mm. Head, palpi and thorax grey mixed with brown. Antennae ochreous, annulated with black, ciliations in ♂ 1/2. Abdomen ochreous grey. Legs ochreous, anterior pair fuscous annulated with ochreous. Forewings elongate triangular,

costa moderately arched, termen subsinuate, oblique; white; markings ferruginous mixed with ochreous; basal fascia running from $1/6$ costa to $1/2$ dorsum; its outer margin very irregular; a moderately broad fascia from $1/3$ costa to before dorsum, interrupted above and below middle; a very broad fascia on apical third, its outer margin separated from termen by narrow strip of white; near its anterior margin is a blackish spot followed by a dot of white; space between basal and terminal fasciae crossed by several interrupted strigulae, usually forming dark spots on costa and dorsum: fringes grey, tips paler. Hindwings greyish fuscous: fringes fuscous grey with obscure dark basal line.

Approaches *P. plagiata* Walk., but has not the pronouncedly sinuate termen of the forewing of that species, and the antennal pectinations are shorter.

Wairakei in December and Whangarei in January. Two males taken by Mr. C. E. Clarke. Holotype (δ) and a male paratype in coll. Auckland Museum.

Epichorista mimica n. sp.

δ . 14-15 mm. Head, palpi and thorax grey mixed with brown. Antennae grey annulated with black, ciliations in δ $1\frac{1}{2}$. Abdomen grey mixed with whitish ochreous. Legs ochreous, anterior pair infuscated, tarsi annulated with ochreous. Forewings elongate, suboblong, costa arched basally, thence almost straight, apex rounded, termen bowed, oblique; white, densely irrorated with pale fuscous and ochreous; markings blackish fuscous mixed with ferruginous; basal patch, including three interrupted fasciae, marked by spots on costa, outer margin indented on fold, where it is strongly marked in blackish; a broad irregular fascia from middle of costa, becoming obscure below middle and not reaching dorsum; four spots on costa between median fascia and apex, giving rise to obscure fasciae which coalesce in disc: fringes grey, basally brownish. Hindwings greyish fuscous, paler towards costa: fringes whitish grey with fuscous basal line.

Not superficially near any other *Epichorista*; the species might be taken at a first glance for a pale specimen of *Spilonota ejectana* Walk.

Mt. Ida, in February. Two males taken by Mr. C. E. Clarke. One of these is very indefinitely marked, the fasciae being reduced to a series of dots. Holotype (δ) in coll. Auckland Museum.

Tortrix clarkei n. sp.

δ φ . 20-25 mm. Head and thorax purplish grey, in φ ferruginous-tinged. Palpi rather long, purplish grey. Antennae ochreous annulated with blackish, ciliations in δ $3/4$. Abdomen ochreous. Legs ochreous, anterior pair reddish brown. Forewings with costa moderately arched, subsinuate, apex pointed, termen markedly sinuate, hardly oblique; purplish grey;

markings dark reddish brown on margins, passing into dark purplish grey within and being narrowly margined with ochreous; a basal patch from $1/6$ of costa, thence broadly and triangularly projecting to fold, after which it runs very obliquely to dorsum at $3/4$ where it coalesces with inner margin of median fascia; a broad fascia from before middle of costa to tornus, its anterior margin sinuate beneath costa and its posterior margin straight; a fascia beyond middle represented by straight anterior margin only: fringes ochreous, ferruginous-tinged. Hindwings greyish white, obscurely mottled with brown: fringes greyish white faintly tinged with purplish.

Nearest to *T. orthocopa* Meyr., but at once distinguished by the form of basal patch.

Waimarino, in January. Three males and a female captured by Mr. C. E. Clarke. Holotype (δ), allotype (η) and paratypes in coll. Auckland Museum.

T. indomita n. sp.

δ . 19 mm. Head, palpi and thorax dull ochreous, sprinkled with fuscous. Antennae ochreous annulated with fuscous, ciliations in δ 2. Abdomen ochreous mixed with brown. Legs ochreous mixed with brown, anterior pair infuscated, tarsi narrowly annulated with ochreous. Forewings with moderate costal fold, costa rather strongly arched, apex rectangular, termen subsinuate, slightly oblique; dull ochreous, springled and strigulated, especially towards termen, with brown; costal fold mixed with brown; a dark brown patch on costa, commencing before $1/3$ and extending nearly to apex, its anterior margin running obliquely to middle of wing, thence almost straight to costa before apex; beneath this patch, at about half its length, and touching it, is an obscure and irregular brown blotch; an interrupted brown line round termen; fringes whitish ochreous. Hindwings ochreous, densely mottled with brown, especially towards termen: fringes whitish ochreous with dark basal line.

The type of marking approaches that of *T. orthopis* Meyr and *T. conditana* Walk., but the differences between the three are marked.

Waitati and Woodhaugh, Dunedin, in December. Two males taken by Mr. C. E. Clarke. Holotype (δ) and paratype in coll. Auckland Museum.

T. encausta n. sp.

δ . 11-12 mm. Head, palpi and thorax dark reddish brown. Antennae ochreous annulated with dark brown, ciliations in δ 3. Abdomen dark brown. Legs ochreous, mixed with brown. Forewings with costa strongly arched, moderate costal fold, apex subobtusate, termen subsinuate, rather oblique; purplish mixed with ochreous; basal patch extensive, outer margin almost straight, ochreous; a broad nearly straight slightly outwardly oblique median fascia; apical third of wing dark reddish brown,

enclosing a roundish spot of purplish before apex and some ochreous towards tornus: fringes brownish mixed with ochreous. Hindwings dark fuscous tinged with purplish: fringes dark fuscous with darker basal line.

Not nearly related to any other *Tortrix*.

Kaeo, in January. Two males taken by Mr. C. E. Clarke. Holotype (♂) and paratype in coll. Auckland Museum.

Ctenopseustis fraterna n. sp.

♂. 19 mm. Head and palpi ochreous mixed with brown. Antennae ochreous dotted with brown, ciliations in ♂ 1½. Thorax brown. Abdomen ochreous mixed with brown. Legs ochreous, anterior pair dark fuscous, tarsi annulated with ochreous. Forewings with costa strongly arched, costal fold reaching to 1/2, apex rectangular, termen sinuate, hardly oblique; pinkish brown; markings blackish brown; irregularly margined with white; costal fold strigulated, and a series of spots on costa between end of fold and apex; a suboval spot beneath costal fold near base from which proceeds a striga to near base of dorsum; a larger suboval spot beneath costa at middle; some irregular marks below cubital fold and a number of similar marks on apical third of wing: fringes pinkish brown with a dark basal line. Hindwings and fringes pale purplish fuscous.

A very differently marked species from the other member of the genus, *C. obliquana*, Walk.

Whangarei, Parua Bay, Kaeo and Wayby Gorge, in December and January. Four males captured by Mr. C. E. Clarke. Holotype (♂) and paratypes in coll. Auckland Museum.

GELECHIIDAE

Apatetris nivea n. sp.

♂. 11-14 mm. Head, palpi and thorax white sprinkled with blackish fuscous. Antennae white annulated with dark fuscous. Abdomen ochreous grey. Legs whitish sprinkled with dark fuscous. Forewings narrow, parallel-sided, costa moderately arched, apex broadly rounded; snow white, densely sprinkled with blackish fuscous scales; a prominent blackish fuscous spot beneath fold at 1/3: fringes concolorous with wing. Hindwings grey; fringes ochreous grey.

Differs from *A. melanombra* Meyr. in the very much whiter colouring and the absence of any markings except the one spot.

Auckland, in January. Four males taken by Mr. C. E. Clarke. Holotype (♂) and paratypes in coll. Auckland Museum.

Gelechia parvula n. sp.

♂ ♀. 10-12 mm. Head pearly white. Palpi whitish ochreous. Antennae purplish brown. Thorax ochreous white, tegulae dark purplish brown. Abdomen greyish brown. Legs ochreous mixed with fuscous, anterior pair wholly fuscous, tarsi obscurely annulated with ochreous. Forewings lanceolate, dark purplish

brown; a broad stripe along dorsum and termen reaching nearly to middle of wing, ochreous white; fringes concolorous with wing. Hindwings leaden grey: fringes pale ochreous.

Resembles the much larger *G. parapleura* Meyr., but with the upper and lower halves of the forewing more strongly contrasted.

Bluecliff (Fiord), Lake Manapouri and Arthur's Pass in December and January. One female and a series of males taken by Mr. C. E. Clarke. Holotype (♂), allotype (♀) and male paratypes in coll. Auckland Museum. There are also several specimens in coll. Cawthron Institute.

G. contraria n. sp.

♂. 14-15 mm. Head pearly white. Palpi ochreous mixed with brown. Antennae dark brown. Thorax brown. Abdomen grey. Legs ochreous, anterior pair brown. Forewings with costa curved shortly at apex, apex short-pointed, termen very oblique; light brown sparsely sprinkled with darker; a stripe of white beneath fold from base to tornus, mixed with brown on apical half: fringes dull greyish ochreous with obscure dark sub-basal line round apex. Hindwings leaden grey: fringes dull ochreous grey.

Near *G. parapleura* Meyr., but at once distinguished by the brown thorax.

Waiho Gorge (Westland) in January. Two males captured by Mr. C. E. Clarke. Holotype (♂) and paratype in coll. Auckland Museum.

OECOPHORIDAE

Borkhausenia levicula n. sp.

♂. 13 mm. Head, palpi and thorax whitish ochreous mixed with brown. Antennae ochreous closely annulated with fuscous, ciliations in ♂ 3/4. Abdomen grey, brassy tinged. Legs grey mixed with ochreous and brown. Forewings narrow, costa moderately arched, apex round-pointed, termen extremely oblique; greyish white mixed with dark fuscous; markings pale ochreous mixed with dark fuscous; a rather broad fascia from costa at base to dorsum at about 1/3; a similar fascia from costa at 1/4 to dorsum at 2/3; a third fascia from costa at 1/2 to above tornus where it coalesces with an inwardly oblique fascia from costa at 4/5; a moderately broad band round termen: fringes greyish white mixed with ochreous and fuscous. Hindwings grey: fringes grey with obscure darker basal line.

Belongs to the *xanthomicta-zanthodesma* group, but very much paler than any of the other species: the shape of the forewings is also a good distinguishing character.

Flat Mountain, Lake Manapouri, in December. Two males taken by Mr. Clarke at an elevation of about 4,000 feet. Holotype (♂) and a paratype in coll. Auckland Museum.

B. lassa n. sp.

♂. 11 mm. Head and thorax pale brown. Palpi, 2nd segment brown with apex whitish, terminal segment fuscous, with apex whitish ochreous. Antennae ochreous annulated with fuscous, ciliations in ♂ 1. Abdomen purplish grey. Legs ochreous mixed with fuscous, all tarsi banded with fuscous. Forewings with costa hardly arched, apex broadly rounded, termen rounded, oblique; white, densely irrorated with pale fuscous except beneath fold; markings consisting of obscure brown fascia and pale yellow spots; a rather large yellow patch on dorsum at base; a brown stripe along fold connecting with a slightly outwards-curved fascia from costa at 1/4; a rather prominent yellow spot at junction of these two fasciae and some yellow scales mixed with fascia from costa; a brown fascia from costa at 1/2 to tornus enclosing a yellow spot in disc and with some yellow scales at tornus; an obscure brown subterminal fascia containing some yellow scales: fringes brown with some white and yellow scales. Hindwings and fringes fuscous grey.

Probably with some affinity to the preceding species, but very distinct.

Leith, Dunedin, in December. A single male taken by Mr. Clarke. Holotype (♂) in coll. Auckland Museum.

B. laudata n. sp.

♂. 13-15 mm. Head and palpi purplish brown. Antennae dark brown, minutely spotted with ochreous, ciliations in ♂ 2½. Thorax purplish brown, apex and tips of tegulae yellow. Abdomen purplish brown. Legs fuscous, tarsi very obscurely annulated with ochreous. Forewings elongate, costa moderately arched, apex round-pointed, termen straight, oblique; bright ferruginous; beneath fold rather bright ochreous; a blackish spot below fold at 1/2 margined anteriorly with ferruginous and posteriorly with ochreous white: fringes ferruginous. Hindwings purplish fuscous: fringes fuscous with darker basal line.

Nearest to *B. amiculata* Philp., but rather smaller and with longer antennal ciliations. There are also several differences in colour and markings.

Bluecliff (Fiord) and Waitati, in January. Two males taken by Mr. C. E. Clarke. Holotype (♂) and paratype in coll. Auckland Museum.

Gymnobathra nigra n. sp.

♂. 12 mm. Head and thorax deep purplish black, collar with a few yellow scales. Palpi deep purplish black mixed with yellow. Antennae black, pubescent. Abdomen purplish black minutely sprinkled with brassy. Legs fuscous black. Forewings moderate, costa moderately arched, apex rectangular, termen rounded, hardly oblique; dark purplish fuscous; a few thin yellow scales irregularly scattered but chiefly below fold: fringes

dark fuscous. Hindwings dark fuscous: fringes dark greyish fuscous.

The extremely dark coloration distinguishes this species from the other forms.

Kepler Mountains, in January. A single male captured at about 4,000 feet, by Mr. Clarke. Holotype (♂) in coll. Auckland Museum.

Trachypepla nimbosa n. sp.

♂. 12 mm. Head and thorax purplish fuscous; face mixed with ochreous. Palpi bright ochreous mixed with blackish, apex of terminal segment black. Antennae fuscous annulated with ochreous, ciliations in ♂ 2. Abdomen light purplish fuscous. Legs greyish fuscous mixed with ochreous, tarsi annulated with bright ochreous. Forewings elongate, costa moderately arched, apex rounded, termen rounded, oblique; dark fuscous with some whitish ochreous admixture; scale-tufts blackish tipped with ochreous (a basal one and plical and first discal spots); an obscure interrupted ochreous line at $1/2$; a suffused ochreous spot on costa before apex: fringes concolorous with wing, but with faint darker basal line. Hindwings dark brownish fuscous: fringes dark fuscous with darker basal line.

Perhaps nearest *T. lichenodes* Meyr., but at once distinguished by the much shorter antennal ciliations.

Kauri Gully in January. A single male taken by Mr. C. E. Clarke. Holotype (♂) in coll. Auckland Museum.

T. festiva n. sp.

♂. 14 mm. Head and palpi greyish brown. Antennae greyish brown; ciliations in ♂ $3/4$. Thorax greyish brown, apex and apical half of tegulae white. Abdomen brassy, segmental divisions and anal tuft pale greyish brown. Legs fuscous, posterior pair ochreous, all tarsi annulated with ochreous. Forewings elongate, costa subsinuate, apex broadly rounded, termen hardly rounded, oblique; white; a moderately broad dark fuscous mark along costa from base to $1/8$; costa narrowly fuscous from $1/4$ to middle, thence broadening into a semioval patch reaching to $2/3$; a very irregular fascia from costa at about $1/4$ to dorsum, broadening very much in disc and enclosing plical and first discal scale-tufts, mixed in disc and on dorsum with brownish ochreous; three or four very irregular interrupted fuscous fasciae proceeding from semioval costal patch; the whole area below middle of wing between the first and last fasciae dull brownish ochreous; two or three fuscous spots on apical $1/4$ of costa and some fuscous suffusion in subterminal area: fringes ochreous grey sprinkled with fuscous. Hindwings pale fuscous grey: fringes greyish ochreous.

Near *T. hieropis* Meyr., but differing in the brown thorax and the lesser white area in the forewings.

Leigh, North Auckland, and Whangarei, in January. A single ♂ captured in the former locality in 1926 by the late Mr. D. D. Milligan and a second example taken at Whangarei in the following year by Mr. C. E. Clarke. Holotype (♂) in coll. Auckland Museum, and a paratype in coll. Cawthron Institute.

Locheutis fusca n. sp.

♂ ♀. 13-14 mm. Head dull ochreous, collar brighter. Palpi fuscous mixed with ochreous. Antennae fuscous, ciliations in ♂ 5. Thorax dark purplish brown. Abdomen greyish fuscous tinged with brassy. Legs fuscous, posterior pair ochreous, tarsi annulated with ochreous. Forewings rather long, costa slightly arched, apex rounded, termen rounded, oblique; fuscous grey mixed with darker fuscous; markings obscure, frequently almost obsolete; stigmata ferruginous brown; plical spot beneath first discal; second discal usually prominent, emitting a rather thick striga to tornus; usually a small whitish ochreous patch on costa at 2/3: fringes fuscous grey, often ochreous tinged. Hindwings purplish fuscous: fringes fuscous with obscure darker basal line.

At once distinguished from *L. pulla* Philp. by the very much longer antennal ciliations and from *L. vagata* Meyr., where the ciliations are nearly as long, by the absence of the pronounced coppersheen of that species.

Tongariro National Park, in January. Very common in *Nothofagus* forest on the banks of the Whakapapa River. Holotype (♂), allotype (♀) and several paratypes in coll. Auckland Museum.

CARPOSINIDAE

Carposina literata n. sp.

♂ ♀. 22-24 mm. Head and thorax ochreous whitish. Palpi ochreous whitish, mixed with brown except towards base, ciliations in ♂ 5. Abdomen white. Legs whitish ochreous, anterior pair fuscous. Forewings with costa strongly arched, apex rather sharp, termen almost straight, oblique; creamy white; markings blackish fuscous margined with rather bright ochreous and sometimes mixed with white; an inwardly oblique series of spots (3) close to base; a dot below costa before 1/4 and one beneath it well below fold; a third in disc beyond forms a conspicuous triangle. A rather large spot below costa almost at 1/2, from which proceeds a suffused streak halfway to apex including other dots and a large white-ringed spot near to its apex; a few brownish dots on costa above this streak; a subterminal series of spots most prominent in disc; a series of dots round termen: fringes ochreous whitish mixed with brownish. Hindwings shining white: fringes white.

Near *C. maculosa* Philp., but the discal dark streak is a good distinguishing character.

Defiance Hut, Franz Josef Glacier, in January. One male and two females taken by Mr. C. E. Clarke. Holotype (♂), allotype (♀) and a female paratype in coll. Auckland Museum.

GLYPHIPTERYGIDAE

Heliostibes barbarica n. sp.

♂ ♀. 12-15 mm. Head purplish fuscous mixed with bright yellow. Palpi ochreous, terminal segment fuscous. Antennae dark fuscous, ciliations in ♂ 2. Thorax purplish fuscous with some bright yellow scales. Abdomen purplish fuscous, brassy tinged. Legs dark fuscous, tarsi obscurely annulated with ochreous. Forewings with costa slightly arched, apex subrectangular, termen rounded, not very oblique; dark purplish fuscous, densely strewn with orange yellow scales except beneath fold and in disc at $3/4$; stigmata indicated by areas free of yellow scales: fringes purplish fuscous. Hindwings and fringes deep purplish fuscous.

Apparently near *H. callispora* Meyr., but distinguished at once by the much longer antennal ciliations.

Whangarei, in January. One of each sex taken by Mr. C. E. Clarke. Holotype (♂) and allotype (♀) in coll. Auckland Museum.

Simaethis inspoliata n. sp.

♂. 10 mm. Head and thorax dark brown. Face grey. Palpi, second segment with dense rounded descending tuft, grey. Antennae black spotted with white, ciliations in ♂ $3\frac{1}{2}$. Abdomen greyish fuscous. Legs dark fuscous, mixed and banded with white. Forewings with costa slightly arched, apex rounded, termen almost straight, oblique; brown; markings formed chiefly by dense white irroration; a small irregular basal patch; a broad band from $1/5$ to $1/2$ costa and $1/4$ to $1/2$ dorsum, its inner edge slightly incurved and its outer margin irregular; a broad fascia from costa at $3/4$ to tornus, constricted beneath costa and somewhat excurved; a thin subterminal line white on costa and metallic blue round termen: between second and third fasciae on lower half of wing a large black blotch enclosing two small patches of metallic blue scales: fringes brown, touched with white at tornus and with a darker basal line. Hindwings pale purplish brown, lighter towards apex; a rather obscure white fascia from tornus reaching about half way round termen and keeping close to the margin: fringes brown, more or less white-tipped and with a darker basal line.

Only comparable with *S. urbana* Clarke, but at once distinguished, apart from the very different markings, by the antennal structure.

Flat Mountain, Hunter Mountains, in December. A single male taken by Mr. C. E. Clarke at an elevation of about 4,000 feet. Holotype (♂) in coll. Auckland Museum.

S. tristis n. sp.

♂. 10-11 mm. Head and thorax dark brown sprinkled with white. Palpi white annulated with black. Antennae black annulated with white, ciliations in ♂ $3\frac{1}{2}$. Abdomen dark brown, seg-

mental divisions whitish. Legs dark brown mixed with white. Forewings with costa moderately arched, apex rounded, termen hardly rounded, oblique; deep blackish fuscous densely sprinkled with bluish white scales which tend to form fasciae at base, $1/3$ and $3/4$; a short streak of whitish scales along termen above tornus; usually a rather conspicuous white spot on costa at $3/4$: fringes dark brown, tipped with white at tornus and beneath apex. Hindwings dark purplish fuscous; a very obscure whitish fascia from tornus to about middle of wing, sometimes absent: fringes brown, more or less mixed with white and with a broad purplish fuscous basal band.

Approaching *S. albifasciata* Philp., but without the characteristic whitish subterminal shade of that species.

Tongariro National Park, in January. Four males taken on the slopes of Ruapehu. Holotype (δ) and male paratypes in coll. Auckland Museum.

S. fasciata n. sp.

δ φ . 10-11 mm. Head and thorax bronzy brown sprinkled with white scales. Palpi brown closely annulated with white, second segment roundly tufted beneath. Antennae black annulated with white, ciliations in δ 2. Abdomen bronzy brown sprinkled with white. Legs bronzy brown mixed with whitish. Forewings with costa slightly arched, apex subrectangular, termen almost straight, oblique; bronzy brown; densely irrorated with white except on broad median angled band: fringes bronzy brown, subbasal line and tips white. Hindwings pale bronzy brown, greyish towards base; an interrupted white fascia from tornus along termen to about $1/4$, thence diverging into disc and reaching about middle of wing: fringes as in forewings.

Paler than most of the smaller species of the genus and well distinguished by the dark median band of forewings.

Arthur's Pass, in January. Six males and a female captured by Mr. C. E. Clarke. Holotype (δ), allotype (φ) and several paratypes in coll. Auckland Museum.

HYPONOMEUTIDAE

Zelleria maculata n. sp.

δ . 15-17 mm. Head and thorax whitish grey. Palpi ochreous grey mixed with fuscous. Antennae greyish brown. Abdomen whitish ochreous. Legs ochreous white, anterior pair infuscated. Forewings long, narrow, parallel-sided, apex blunt-pointed, termen extremely oblique; white, densely mixed with pale dull brown; a clearer white streak along dorsum and partly round termen, much interrupted by dark fuscous marks, a fairly large spot on dorsum at $1/2$, connecting with an indistinct oblique fascia from costa at $1/3$, and a similar one at tornus; many indistinct dark fuscous dots on apical $1/2$, especially on the lower portion; a distinct white spot on costa before apex, followed by a triangular dark fuscous spot; extreme apex whitish: fringes

ochreous grey round termen, dark fuscous round apex, with a dividing whitish patch. Hindwings grey: fringes ochreous grey.

The white preapical spot seems to be a good distinguishing character. I have not seen a specimen of *Z. sphenota* Meyr., but the present species appear to be a considerably larger insect and to have more affinity with *Z. rorida* Philp.

Mount Maungatua, Otago, in December and January. Several males taken by Mr. C. E. Clarke. Holotype (♂) and a series of paratypes in coll. Auckland Museum.

COSMOPTERYGIDAE

Batrachedra astricta n. sp.

♂ ♀. 13-15 mm. Head and thorax whitish grey. Palpi whitish grey mixed with fuscous, second segment with small apical scale-projection. Antennae ochreous annulated with fuscous. Abdomen greyish brown. Legs whitish ochreous mixed with fuscous. Forewings long, narrow, parallel-sided, apex round-pointed; white, densely sprinkled with blackish fuscous scales, aggregations of which form the stigmata; first discal at about 1/2, obliquely beyond plical; second discal at 3/4, rather below middle: fringes pale fuscous grey with a blackish fuscous line round apex. Hindwings and fringes pale greyish fuscous.

Related to *B. tristicta* Meyr, but the stigmata are not elongate and there is no round black apical spot.

Opoho, Dunedin, in December. One male and two females taken by Mr. C. E. Clarke. Holotype (♂), allotype (♀) and a paratype in coll. Auckland Museum.

PLUTELLIDAE

Orthenches septentrionalis n. sp.

♂. 15 mm. Head pale fuscous, face grey. Palpi greyish fuscous. Antennae grey dotted with blackish. Thorax (abraded) apparently fuscous. Abdomen grey. Legs whitish mixed with fuscous. Forewings with costa moderately arched, subsinuate, apex pointed, termen rounded, oblique; white; suffused with purplish, especially below fold; numerous interrupted transverse brown strigulae; a purplish brown blotch on costa at 1/3 and a brown suffusion along costa between this and apex: fringes greyish fuscous with dark brown basal line. Hindwings grey, purplish tinged towards apex: fringes grey with darker basal line.

Belongs to the *chartularia-semifasciata* group, but is abundantly distinct.

Kauri Gully, Auckland, in January. A single male taken by Mr. C. E. Clarke. Holotype (♂) in coll. Auckland Museum.

TINEIDAE

Archyala tigrina n. sp.

♂. 13-14 mm. Head greyish white. Palpi white, second segment outwardly dark fuscous. Antennae greyish white annulated with pale brown. Thorax greyish white mixed with fuscous. Abdomen greyish brown. Legs grey mixed with fuscous, anterior pair dark fuscous, tarsi annulated with whitish. Forewings with costa slightly arched, apex round-pointed, termen very oblique; white: somewhat mixed with pale fuscous; numerous outwardly-oblique interrupted transverse dark fuscous strigae; in some cases these are double and then have the internal space filled with ochreous; the most prominent strigae are at 1/6, 1/3, 3/4 and 5/6: fringes greyish white mixed with fuscous. Hindwings shining grey; round tornus and termen broadly purplish; fringes greyish fuscous, purplish tinged.

Nearest *A. paraglypta* Meyr., but a smaller and paler insect.

Whangarei and Pakotai (North Auckland) in January. Two males taken by Mr. C. E. Clarke. Holotype (♂) and paratype in coll. Auckland Museum.

Tinea aerata n. sp.

♀. 11 mm. Head and palpi greyish fuscous. Antennae ochreous closely annulated with black. Thorax fuscous mixed with ochreous. Abdomen purplish fuscous, segmental divisions whitish. Legs dark fuscous, tarsi annulated with ochreous. Forewings with costa moderately arched, apex round-pointed, termen rounded, strongly oblique; blackish fuscous; apical third of wing except on costa, brassy ochreous; a white blotch on dorsum near base; an obscure double white angled striga at 1/4; a similar striga at 1/2 becoming obsolete on brassy area; a thin paired white striga from costa at 3/4, strongly outwards-curved and traceable to tornus; four short white strigae from costa between this and apex; apex black: fringes pale greyish fuscous, round costa barred with white and with a prominent black basal line. Hindwings violet purplish: fringes greyish fuscous.

Perhaps nearest to *T. atmogramma* Meyr., a species which I have not seen. The brassy ochreous terminal area and several other details of markings seem, however, to distinguish the species sufficiently.

Tongariro National Park in January and Cape Saunders (C. E. Clarke) in November. Two females. The southern specimen has very little of the brassy suffusion. Holotype (♀) and a paratype in coll. Auckland Museum.

Tinea furcillata n. sp.

♂. 9 mm. Head white, palpi whitish mixed with fuscous. Antennae grey with a dark fuscous band just beyond base. Thorax white mixed with dark fuscous. Abdomen grey. Legs ochreous white, tarsi banded with ochreous. Forewings with costa moderately arched, apex pointed, termen very obliquely

rounded; ochreous white; markings brassy fuscous, darker on costa and dorsum; a broad basal patch, becoming almost obsolete on dorsum; a broad fascia at $1/3$, becoming suffused in disc and breaking up into two or three fasciae on dorsum; a similar fascia at $2/3$ forming a semioval spot on costa; some undefined short fasciae on apical $1/4$ of costa; an obscure series of dark marks round termen: fringes white mixed with brassy brown. Hindwings shining grey: fringes whitish grey.

Much lighter in colour than any other of the "mimetic" Tineids. It may be noted that in the forewings 7 and 8 are stalked as are 5 and 6 in the hindwings.

Andersons Bay, Dunedin, in November. Two males captured by Mr. C. E. Clarke. Holotype (δ) in coll. Auckland Museum.

***Astrogenes insignita* n. sp.**

δ . 9-10 mm. Head dark greyish fuscous. Palpi whitish. Antennae fuscous grey. Thorax and abdomen bronzy fuscous. Legs greyish fuscous. Forewings moderate, costa hardly arched, apex round-pointed, termen rounded, oblique; bronzy fuscous; a prominent purplish metallic almost straight transverse fascia at before $1/2$; a similar but interrupted one at $3/4$; a purplish metallic dot at apex: fringes bronzy fuscous. Hindwings purplish fuscous: fringes dark fuscous.

A much smaller species than *A. chrysograpta* Meyr., and with quite a different arrangement of the metallic markings.

Woodhaugh, Dunedin, from November to January. A series of males taken by Mr. C. E. Clarke. Holotype (δ) and paratypes in coll. Auckland Museum.

***Talaeporia triangularis* n. sp.**

δ . 12-14 mm. Head and palpi greyish brown. Antennae ochreous annulated with brown. Thorax and abdomen purplish brown. Legs greyish brown. Forewings with costa almost straight, apex rounded, termen rounded, very oblique; pale purplish brown, with some ochreous whitish admixture; a triangular ochreous whitish spot on dorsum before tornus; some obscure whitish marks on dorsum between this and base; a series of roundish ochreous whitish spots round apex and termen: fringes greyish fuscous, darker basally. Hindwings and fringes fuscous grey.

The Hump, Fiord, in January, and Waitati, Dunedin, in November. A series of males taken by Mr. C. E. Clarke. Holotype (δ) and paratypes in coll. Auckland Museum.